

REMARKS

Reconsideration of this application, in view of the foregoing amendments and the following remarks, is respectfully requested.

Claim Rejections - 35 USC §103

Claims 1, 7-16, 18-26 and 28-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) in view of Yanagi et al., cited previously (Yanagi) and Heppe, cited previously USP 4,654,854, (Heppe). Applicants respectfully traverse these rejections.

Regarding claim 1, the Examiner has cited elements 309, 311, 312, 206, and 207 of Heppe as a window. Applicants respectfully point to the Examiner that these elements do not constitute a window. These elements are actually delay elements that are used for each correction stage. In fact, between these delay elements, there are at least five correction stages (308, 310, 211, 212, and 213). Actually, Heppe progressively corrects input syndrome signals after each delay stage. Thus, it does not use a window to detect transmission errors over the one or more decision quality indicators of the estimates as recited in claim 1. Accordingly, claim 1 is clearly and patentably distinguishable from the combination of cited references.

Claim 10 has been rejected in the manner of claim 1 accordingly, claim 10 is patentably distinguishable from the combination of cited references for at least the same reasons as claim 1. Further, Applicants respectfully point to the Examiner that claim 10 recites determining if one or more of the estimates of the data symbol has one or more probable errors within a window of shift registers. The Examiner has cited delay elements 309, 311, 312, 206, and 207 of Heppe as a window. Even if the Examiner's assertion of these elements being a window is assumed to be correct, then still claim 10 is distinguishable from Heppe because claim 10 recites a window of shift registers and not delay elements. Further, as explained above, Heppe corrects the input signal between these delay elements. Accordingly, claim 10 is further patentably distinguishable from the combination of cited references.

Claim 15 has been rejected in the manner of claim 1, accordingly, claim 15 is patentably distinguishable from the combination of cited references for at least the same reasons as claim 1. Further, Applicants respectfully point to the Examiner that claim 15 recites disabling an update of the adaptive processor when the at least one transmission error representative value is present within the window. The Examiner has not cited any reference that teaches this limitation. Accordingly, claim 15 is further patentably distinguishable from the combination of cited references.

Claim 16 depends from claim 15, accordingly, claim 16 is patentably distinguishable from the combination of cited references for at least the same reasons as claim 15. Further, the Examiner has not cited any reference that teaches disabling and enabling of update of the adaptive processor as recited in claim 16. Accordingly, claim 16 is further patentably distinguishable from the combination of cited references.

Claim 21 has been rejected in the manner of claim 1, accordingly, claim 21 is patentably distinguishable from the combination of cited references for at least the same reasons as claim 1. Further, Applicants respectfully point to the Examiner that claim 15 recites an adaptation controller for controlling the updating of the adaptive element based on the decision quality indicator dependent value. Neither of the cited references teach this limitation and the Examiner has not cited any reference on this limitation. Accordingly, claim 21 is further patentably distinguishable from the combination of cited references.

Claim 26 depends from claim 21, accordingly, claim 26 is patentably distinguishable from the combination of cited references for at least the same reasons as claim 21.

Claim 29 has been rejected in the manner of claims 1 and 15, accordingly, claim 29 and those depend therefrom are patentably distinguishable from the combination of cited references for at least the same reasons as claims 1 and 15.

Claims 7-9 depend from claim 1 and are patentably distinguishable from the combination of cited references for at least the same reasons as claim 1.

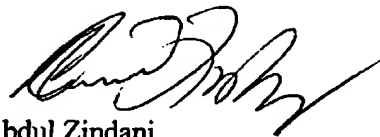
Claims 11-14 depend from claim 10 and are patentably distinguishable from the combination of cited references for at least the same reasons as claim 10.

Claims 22-25 depend from claim 21 and are patentably distinguishable from the combination of cited references for at least the same reasons as claim 21.

Claims 30-32 depend from claim 29 and are patentably distinguishable from the combination of cited references for at least the same reasons as claim 29.

Applicant believes this application and the claims herein to be in a condition for allowance. Applicants do not believe any fees are required to complete this response. In the event, however, if additional fees are required to complete this response, then Applicants authorize the Commissioner to charge any fees required to Applicants deposit account number 20-0668. Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,



Abdul Zindani
Attorney for Applicant
Reg. No. 46,091

Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265
(972) 917-5137